

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 3 has been amended and claim 5 has been added as follows:

Listing of Claims:

Claim 1 (original): A battery condition monitor for monitoring a condition of a battery, comprising:

a first deterioration detector for detecting a first deterioration degree cause by increase of an internal resistance of the battery; and

a second deterioration detector for detecting a second deterioration degree caused by decrease of active material of the battery to cause decrease of a charge capacity of the battery,

wherein the condition of the battery is monitored based on the first deterioration degree and the second deterioration degree.

Claim 2 (original): The battery condition monitor according to claim 1, wherein the first deterioration detector obtains a direct-current resistance of the battery based on a discharge current and terminal voltage of the battery detected in a high-rate discharging, and obtains a saturated polarization, as a saturated value of a voltage drop by the internal resistance other than the direct-current resistance, based on the discharge current and the terminal voltage of the battery detected in discharging, and the direct-current resistance of the battery, and detects the first deterioration degree based on the direct-current resistance and the saturated polarization.

Claim 3 (currently amended): The battery condition monitor according to claim 1 [[or 2]], wherein the second deterioration detector detects the second deterioration based on a decreasing value of the charge capacity at full-charge of the battery at any time corresponding to the charge capacity at full-charge of a new battery.

Claim 4 (original): A method of monitoring a battery condition comprising a step of monitoring the battery condition based on a first deterioration degree caused by increase of an internal resistance of the battery and a second deterioration degree indicating a decreasing value of active material of the battery to cause decrease of a charge capacity of the battery.

Claim 5 (new): The battery condition monitor according to claim 2, wherein the second deterioration detector detects the second deterioration based on a decreasing value of the charge capacity at full-charge of the battery at any time corresponding to the charge capacity at full-charge of a new battery.